SIM-1-GSXR
SPEED RECALIBRATION UNIT
FOR SUZUKI ELECTRIC SPEEDOMETERS

Changing the gearing or tire size on a motorcycle will make the speedometer reading incorrect. The SIM-1-GSXR will allow you to adjust an electronic speedometer, with stock electric speed sensors, back to the correct reading.

The SIM-1-GSXR has an adjustable range of correction from 2.84 times (more than double) to 0.502 times (half). Calibration is set using the two push button switches. Press the UP button to increase the speed. Press the DOWN button to decrease the speed. The unit has an internal memory which stores the calibration when the bike is turned off, or if the unit is unplugged for any work/service on the bike.

Depending how far off your speedometer is, you may NOT register a speed reading on your speedometer with the SIM-1-GSXR installed until you are traveling faster than 5 miles per hour.

Typical GSXR Install (3-pin speed sensor connectors)
Connection is as follows:

1. Locate the three pin connector between the speedometer and speed sensor, typically it is a black connector. You will need to remove the seat and lift the tank to locate the connector; it is under the tank at the back side of the engine with some of the other wiring. (*image 1 and 2*)

Image 1

Image 2

2. Unplug the connector.
3. Plug the SIM-1-GSXR into the two mating connectors. The SIM-1-GSXR will now be in between the speedometer and speed sensor. (*image 3*)
4. Re-assemble any removed pieces and leave the SIM-1-GSX accessible for calibration (see steps below).
5. Once calibrated secure the SIM-1-GSXR into the harness on the bike so it is not hanging loose. Wire ties work well for this. There is a small space in front of the battery under the seat that is a good spot for mounting (image 4).

Image 2

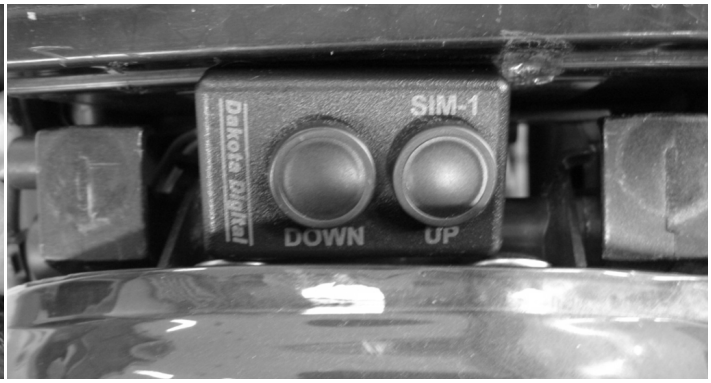

Image 4

Calibration is as follows:

1. Follow a vehicle going at a set speed or time yourself driving one mile so you know what your speed should be. A dyno or GPS are also great ways to reference speed.
2. Press and hold the UP or DOWN button while you are driving to change the speedometer reading until the speedometer is correct, then release the button. ***The bike must be moving in order to adjust the speedometer.***
3. If no buttons are pressed for 15 seconds, the current calibration will be saved. You can continue making further adjustments by simply pressing the buttons as needed; the new value will save after 15 seconds of inactivity.

SERVICE AND REPAIR

DAKOTA DIGITAL offers complete service and repair of its product line. In addition, technical consultation is available to help you work through any questions or problems you may be having installing one of our products. Please read through the Troubleshooting Guide. There, you will find the solution to most problems.

Should you ever need to send the unit back for repairs, please call our technical support line, (605) 332-6513, to request a Return Merchandise Authorization number. Package the product in a good quality box along with plenty of packing material. Ship the product by UPS or insured Parcel Post. Be sure to include the RMA number on the package, and include a complete description of the problem with RMA number, your full name and address (street address preferred), and a telephone number where you can be reached during the day. Any returns for warranty work must include a copy of the dated sales receipt from your place of purchase. Send no money. We will bill you after repair.

Dakota Digital 24 Month Warranty

DAKOTA DIGITAL warrants to the ORIGINAL PURCHASER of this product that should it, under normal use and condition, be proven defective in material or workmanship within 24 MONTHS FROM THE DATE OF PURCHASE, such defect(s) will be repaired or replaced at Dakota Digital's option.

This warranty does not cover nor extend to damage to the vehicle's systems, and does not cover removal or reinstallation of the product. This Warranty does not apply to any product or part thereof which in the opinion of the Company has been damaged through alteration, improper installation, mishandling, misuse, neglect, or accident.

This Warranty is in lieu of all other expressed warranties or liabilities. Any implied warranties, including any implied warranty of merchantability, shall be limited to the duration of this written warranty. Any action for breach of any warranty hereunder, including any implied warranty of merchantability, must be brought within a period of 24 months from date of original purchase. No person or representative is authorized to assume, for Dakota Digital, any liability other than expressed herein in connection with the sale of this product.

Dakota Digital

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